

REMARKS

We wish to thank the Examiner for the telephone interview of January 20, 2006. This amendment is responsive to the Final Action dated September 20, 2005. Applicant has amended claims 1 and 13. Claims 1, 2, 5, 6, 13, 14 and 17 are pending.

Claims

Claims 1 and 13 have been amended to clarify the communication between the communication device and the wireless device. Amended claim 1 recites selecting one radio from the first and second radio, the one radio being selected in accordance with the communication protocol associated with the data, the communication device having received an initiation of communications from the one mobile wireless device when the one mobile wireless device entered a coverage area of the one radio. An analogous amendment has been made to claim 13.

The amendment to claims 1 and 13 is fully supported by the application as originally filed. In particular, support for the amendment to claims 1 and 13 can be found, for example, on page 12 between lines 20 and 28.

Claim Rejections under U.S.C. 103(a)

In the Office Action the Examiner rejected claims 1, 2, 5, 13, 14, 16 and 17 under 35 U.S.C. 103(a) as being unpatentable over Alexander (U.S. Patent No. 6,272,120) in view of Cheston et al. (U.S. Patent No. 6,405,259).

In the Office Action the Examiner rejected claim 6 under 35 U.S.C. 103(a) as being unpatentable over Alexander in view of Warren et al. (U.S. Patent No. 5,912,921).

Applicant respectfully traverses the above rejections to the extent that they may be considered applicable to the amended claims. Alexander fails to disclose, teach or suggest a communications device or method of facilitating communications as recited in amended independent claims 1 and 13, respectively. Neither Cheston et al. nor Warren et al. overcome the shortcomings of Alexander.

Amended claim 1 recites a communication device for facilitating communication between a wired network and wireless devices...the communication device comprising, a wired network interface...a first radio configured for communication with the first mobile wireless device via the first communication protocol, a second radio configured for communication with the second mobile wireless device via the second communication protocol, and a data

controller in communication with the network interface and the first and second radios...the data controller for receiving data from the wired network, the data being intended for reception by one mobile wireless device selected from the first and the second mobile wireless device, the data including wireless protocol information that indicates a wireless protocol used for communicating the data to the one mobile wireless device, selecting one radio from the first and second radio, the one radio being selected in accordance with the communication protocol associated with the data, the communication device having received an initiation of communications from the one mobile wireless device when the one mobile wireless device entered a coverage area of the one radio, and transmitting all the data directly to the one mobile wireless.

Amended claim 13 recites a method for a communication device to facilitate communication between a wired network and wireless devices...the communication device including a first radio configured for communication via the first communication protocol, and a second radio configured for communication via the second communication protocol, the method comprising the steps of receiving from the wired network the data intended for reception by one mobile wireless device selected from the first and second mobile wireless device, the data including wireless protocol information that indicates a wireless protocol used for communicating the data to the one mobile wireless device, selecting one radio from the first and second radio, the one radio being selected in accordance with the communication protocol associated with the data, the communication device having received an initiation of communications from the one mobile wireless device when the one mobile wireless device entered a coverage area of the one radio and transmitting all the data directly to the one mobile wireless device via the one radio.

Alexander discloses a multi-radio bridge for increasing the throughput associated with the bridging of multiple LANs together. The multi-radio bridge incorporates two or more radio devices, which provide for substantially simultaneous communication between two or more client bridges and the multi-radio bridge.

Further details of the system that includes the bridge are disclosed, with reference to Figure 1, between col. 3, line 62 and column 6, line 12. The multi-radio bridge 100, which is part of a host LAN 126 having backbone 130, communicates with wireless client bridge 166_A, which is part of client-LAN 128_A having backbone 134_A. Client-LAN 128_A also includes wireless access point 176. Wireless access point 176 can communicate wirelessly with mobile terminal 172 when it is in the communication range of access point 176.

The system of Alexander is in contrast to that recited in amended claims 1 and 13 where it

is recited that the communications device communicates directly with the wireless terminal. In Alexander the multi-radio bridge 100 communicates with the client bridge 166_A, which is attached to the backbone 134_A of LAN 128_A. Further, as the client-bridge is attached to the backbone 134_A it is not a mobile device and it can not enter the coverage area of the multi-radio bridge 100, as recited in amended claims 1 and 13.

Further, between col. 10, line 44 and col. 11, line 22 Alexander discloses that whenever Device₁ 140 desires to communicate with Device_A 162_A it must send a packet 200 to the multi-radio bridge 100. The packet 200 includes Device₁ 140 in its source address 208 and Device_A 162_A in its destination address 214. The multi-radio bridge 100 will pick up the packet and route it. But first, the multi-radio bridge 100 will read the source address field 208 and destination address field 214 and then place the entire packet 200 in the data field of a shell packet 200'. The shell packet 200' includes in its header 206', the source and destination information read from packet 200. The multi-radio bridge will then route the packet 200 via the shell packet 200' and the client-bridge 166_A connected via backbone 134 to Device_A 162_A. The shell packet 200' will be stripped by client-bridge 166_A, which then transmits the packet 200 to Device_A 162_A. Alexander further discloses that a similar procedure is applicable to communications with the mobile terminal 172. Thus, Alexander discloses this intermediary step that is performed by the client-bridge 166_A in communications to the mobile device 172. Again this contrasts to the subject matter of amended claims 1 and 13.

Therefore, Alexander does not disclose that the bridge (100) communicates directly with the wireless device 172 as recited in amended claims 1 and 13. Rather Alexander discloses that the multi-radio bridge 100 communicates with the client bridge 166_A, which in-turn communicates with the destination device i.e. mobile device 172. This sequence is confirmed in the use of a shell packet 200' for communication between the multi-radio bridge 100 and the client-bridge 166_A, which is stripped off by the client-bridge 166_A.

Applicant therefore respectfully submits that amended claims 1 and 13 would not be obvious to a person of skill in the art having regard to Alexander in view of Cheston et al. At least similar arguments are presented for claims 2 and 5, and 14 and 17 that are dependent on claims 1 and 13, respectively.

Applicant also respectfully submits that claim 6 would not be obvious to a person of skill in the art having regard to Alexander in view of Warren et al. as claim 6 is dependent on amended claim 1.

Hence it is respectfully submitted that claims 1, 2, 5, 6, 13, 14 and 17 are patentable in view of the cited references. Withdrawal of the rejections under 35 U.S.C. 103(a) is requested.

CONCLUSION

All claims in this application are in condition for allowance. Applicant respectfully requests reconsideration and prompt allowance of all pending claims. Please charge any additional fees or credit any overpayment to deposit account number 50-1644. The Examiner is invited to contact the below signed Attorney by telephone if he intends to issue another Office Action or wishes to discuss the application.

Respectfully submitted,



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